

CLAIMS

(amended in redline form)

What I claim is:

1. A fluid wheel generator comprising:
  - 5 a) A first fluid wheel and generator pair mounted on a first vertical axle for rotation about a vertical axis,
  - b) A second fluid wheel and generator pair mounted on a second vertical axle for co-rotation with said first fluid wheel and generator pair about said first vertical axis,
  - 10 c) Said second vertical axle adapted for rotation about said first vertical axle,
  - d) Said first and second fluid wheels mounted for immersion in a stream of moving fluid,
  - e) Said first and second generators mounted in or above said moving stream of fluid.
- 15 2. A water wheel generator as claimed in claim 1 wherein each of said wheels further comprise a central hub and a plurality of paddles for engaging the said stream of moving fluid.
3. A fluid wheel generator as claimed in claim 2 wherein each of said paddles is mounted to said central hub for rotation about a paddle vertical axis from a closed to an open and fluid engaging position.
- 20 4. A ~~water-fluid~~ wheel generator as claimed in claims 1, ~~2 or 3~~ wherein said fluid is water.

25 5. A fluid wheel generator as claimed in claim 4 wherein each of said wheels further comprise a central hub and a plurality of paddles for engaging the said stream of moving fluid.

6. A fluid wheel generator as claimed in claim 5 wherein each of said paddles is mounted to said central hub for rotation about a paddle vertical axis from a closed to an open and fluid engaging position.

30 ~~5.~~ 7. A water wheel generator as claimed in claim ~~4~~ ~~6~~ wherein said generators are both mounted above said moving stream of water.

~~6.~~ 8. A ~~wind powered~~ fluid wheel generator as claimed in claims 1, 2 ~~or 3~~ wherein said fluid is air and said first and second wheel and generator pairs extend generally vertically above said generators.

35 9. A fluid wheel generator as claimed in claim 8 wherein each of said wheels further comprise a central hub and a plurality of paddles for engaging the said stream of moving fluid.

40 10. A fluid wheel generator as claimed in claim 9 wherein each of said paddles is mounted to said central hub for rotation about a paddle vertical axis from a closed to an open and fluid engaging position.